

Replacement Sheet

Nucleic acid sequence and corresponding amino acid sequence of scTNF-L_{short} Construct A-II

1	ATG	AGA	GGA	TCG	CAT	CAC	CAT	CAC	CAT	CAC	GGA	TCA	GCG	TCG	TCT	45
1	M	R	G	S	H	H	H	H	H	H	G	S	A	S	S	15
46	TCT	TCT	CGT	ACC	CCG	TCT	GAC	AAA	CCG	GTT	GCT	CAC	GTT	GTT	GCA	90
16	S	S	R	T	P	S	D	K	P	V	A	H	V	V	A	30
91	AAC	CCG	CAG	GCT	GAA	GGT	CAA	CTG	CAA	TGG	CTG	AAC	CGT	CGT	GCT	135
31	N	P	Q	A	E	G	Q	L	Q	W	L	N	R	R	A	45
136	AAC	GCT	CTG	CTG	GCT	AAC	GGT	GTT	GAA	CTG	CGT	GAC	AAC	CAG	CTG	180
46	N	A	L	L	A	N	G	V	E	L	R	D	N	Q	L	60
181	GTT	GTT	CCG	TCT	GAA	GGC	CTG	TAC	CTG	ATC	TAC	TCC	CAG	GTT	CTG	225
61	V	V	P	S	E	G	L	Y	L	I	Y	S	Q	V	L	75
226	TTC	AAA	GGC	CAG	GGC	TGC	CCG	TCC	ACC	CAC	GTT	CTG	CTG	ACC	CAC	270
76	F	K	G	Q	G	C	P	S	T	H	V	L	L	T	H	90
271	ACC	ATC	TCT	CGT	ATC	GCT	GTT	TCC	TAC	CAG	ACC	AAA	GTA	AAC	CTG	315
91	T	I	S	R	I	A	V	S	Y	Q	T	K	V	N	L	105
316	CTG	TCT	GCA	ATC	AAA	TCT	CCG	TGC	CAG	CGT	GAA	ACC	CCG	GAA	GGT	360
106	L	S	A	I	K	S	P	C	Q	R	E	T	P	E	G	120
361	GCT	GAA	GCT	AAA	CCG	TGG	TAC	GAA	CCG	ATC	TAC	CTG	GGT	GGC	GTT	405
121	A	E	A	K	P	W	Y	E	P	I	Y	L	G	G	V	135
406	TTT	CAA	CTG	GAG	AAA	GGT	GAC	CGT	CTG	TCT	GCA	GAA	ATT	AAC	CGT	450
136	F	Q	L	E	K	G	D	R	L	S	A	E	I	N	R	150
451	CCG	GAC	TAC	CTG	GAC	TTC	GCA	GAA	TCT	GGT	CAG	GTT	TAC	TTC	GGT	495
151	P	D	Y	L	D	F	A	E	S	G	Q	V	Y	F	G	165
496	ATC	ATC	GCT	CTG	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGA	540
166	I	I	A	L	G	G	G	S	G	G	G	S	G	G	G	180
541	TCC	TCT	TCT	CGT	ACC	CCG	TCT	GAC	AAA	CCG	GTT	GCT	CAC	GTT	GTT	585
181	S	S	S	R	T	P	S	D	K	P	V	A	H	V	V	195
586	GCA	AAC	CCG	CAG	GCT	GAA	GGT	CAA	CTG	CAA	TGG	CTG	AAC	CGT	CGT	630
196	A	N	P	Q	A	E	G	Q	L	Q	W	L	N	R	R	210
631	GCT	AAC	GCT	CTG	CTG	GCT	AAC	GGT	GTT	GAA	CTG	CGT	GAC	AAC	CAG	675
211	A	N	A	L	L	A	N	G	V	E	L	R	D	N	Q	225
676	CTG	GTT	GTT	CCG	TCT	GAA	GGC	CTG	TAC	CTG	ATC	TAC	TCC	CAG	GTT	720
226	L	V	V	P	S	E	G	L	Y	L	I	Y	S	Q	V	240
721	CTG	TTC	AAA	GGC	CAG	GGC	TGC	CCG	TCC	ACC	CAC	GTT	CTG	CTG	ACC	765
241	L	F	K	G	Q	G	C	P	S	T	H	V	L	L	T	255
766	CAC	ACC	ATC	TCT	CGT	ATC	GCT	GTT	TCC	TAC	CAG	ACC	AAA	GTA	AAC	810
256	H	T	I	S	R	I	A	V	S	Y	Q	T	K	V	N	270
811	CTG	CTG	TCT	GCA	ATC	AAA	TCT	CCG	TGC	CAG	CGT	GAA	ACC	CCG	GAA	855
271	L	L	S	A	I	K	S	P	C	Q	R	E	T	P	E	285

Figure 19A

Replacement Sheet

856	GGT	GCT	GAA	GCT	AAA	CCG	TGG	TAC	GAA	CCG	ATC	TAC	CTG	GGT	GGC	900
286	G	A	E	A	K	P	W	Y	E	P	I	Y	L	G	G	300
901	GTT	TTT	CAA	CTG	GAG	AAA	GGT	GAC	CGT	CTG	TCT	GCA	GAA	ATT	AAC	945
301	V	F	Q	L	E	K	G	D	R	L	S	A	E	I	N	315
946	CGT	CCG	GAC	TAC	CTG	GAC	TTC	GCA	GAA	TCT	GGT	CAG	GTT	TAC	TTC	990
316	R	P	D	Y	L	D	F	A	E	S	G	Q	V	Y	F	330
991	GGT	ATC	ATC	GCT	CTG	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	1035
331	G	I	I	A	L	G	G	G	S	G	G	G	S	G	G	345
1036	GGA	TCC	TCT	TCT	CGT	ACC	CCG	TCT	GAC	AAA	CCG	GTT	GCT	CAC	GTT	1080
346	G	S	S	S	R	T	P	S	D	K	P	V	A	H	V	360
1081	GTT	GCA	AAC	CCG	CAG	GCT	GAA	GGT	CAA	CTG	CAA	TGG	CTG	AAC	CGT	1125
361	V	A	N	P	Q	A	E	G	Q	L	Q	W	L	N	R	375
1126	CGT	GCT	AAC	GCT	CTG	CTG	GCT	AAC	GGT	GTT	GAA	CTG	CGT	GAC	AAC	1170
376	R	A	N	A	L	L	A	N	G	V	E	L	R	D	N	390
1171	CAG	CTG	GTT	GTT	CCG	TCT	GAA	GGC	CTG	TAC	CTG	ATC	TAC	TCC	CAG	1215
391	Q	L	V	V	P	S	E	G	L	Y	L	I	Y	S	Q	405
1216	GTT	CTG	TTC	AAA	GGC	CAG	GGC	TGC	CCG	TCC	ACC	CAC	GTT	CTG	CTG	1260
406	V	L	F	K	G	Q	G	C	P	S	T	H	V	L	L	420
1261	ACC	CAC	ACC	ATC	TCT	CGT	ATC	GCT	GTT	TCC	TAC	CAG	ACC	AAA	GTA	1305
421	T	H	T	I	S	R	I	A	V	S	Y	Q	T	K	V	435
1306	AAC	CTG	CTG	TCT	GCA	ATC	AAA	TCT	CCG	TGC	CAG	CGT	GAA	ACC	CCG	1350
436	N	L	L	S	A	I	K	S	P	C	Q	R	E	T	P	450
1351	GAA	GGT	GCT	GAA	GCT	AAA	CCG	TGG	TAC	GAA	CCG	ATC	TAC	CTG	GGT	1395
451	E	G	A	E	A	K	P	W	Y	E	P	I	Y	L	G	465
1396	GGC	GTT	TTT	CAA	CTG	GAG	AAA	GGT	GAC	CGT	CTG	TCT	GCA	GAA	ATT	1440
466	G	V	F	Q	L	E	K	G	D	R	L	S	A	E	I	480
1441	AAC	CGT	CCG	GAC	TAC	CTG	GAC	TTC	GCA	GAA	TCT	GGT	CAG	GTT	TAC	1485
481	N	R	P	D	Y	L	D	F	A	E	S	G	Q	V	Y	495
1486	TTC	GGT	ATC	ATC	GCT	CTG	TGA									1506
496	F	G	I	I	A	L	*									501

Figure 19B

Replacement Sheet

Nucleic acid sequence and corresponding amino acid sequence of cys-scTNF-L_{short} Construct B-II

1	ATG	GGA	GAG	CTC	ATC	GAA	GGT	CGC	TGC	GCC	GGT	GGA	TCT	GGT	CAT	45
1	M	G	E	L	I	E	G	R	C	A	G	G	S	G	H	15
46	CAT	CAT	CAC	CAT	CAC	GGC	TCA	GAC	GGA	GCG	TCG	TCT	TCT	TCT	CGT	90
16	H	H	H	H	H	G	S	D	G	A	S	S	S	S	R	30
91	ACC	CCG	TCT	GAC	AAA	CCG	GTT	GCT	CAC	GTT	GTT	GCA	AAC	CCG	CAG	135
31	T	P	S	D	K	P	V	A	H	V	V	A	N	P	Q	45
136	GCT	GAA	GGT	CAA	CTG	CAA	TGG	CTG	AAC	CGT	CGT	GCT	AAC	GCT	CTG	180
46	A	E	G	Q	L	Q	W	L	N	R	R	A	N	A	L	60
181	CTG	GCT	AAC	GGT	GTT	GAA	CTG	CGT	GAC	AAC	CAG	CTG	GTT	GTT	CCG	225
61	L	A	N	G	V	E	L	R	D	N	Q	L	V	V	P	75
226	TCT	GAA	GGC	CTG	TAC	CTG	ATC	TAC	TCC	CAG	GTT	CTG	TTC	AAA	GGC	270
76	S	E	G	L	Y	L	I	Y	S	Q	V	L	F	K	G	90
271	CAG	GGC	TGC	CCG	TCC	ACC	CAC	GTT	CTG	CTG	ACC	CAC	ACC	ATC	TCT	315
91	Q	G	C	P	S	T	H	V	L	L	T	H	T	I	S	105
316	CGT	ATC	GCT	GTT	TCC	TAC	CAG	ACC	AAA	GTA	AAC	CTG	CTG	TCT	GCA	360
106	R	I	A	V	S	Y	Q	T	K	V	N	L	L	S	A	120
361	ATC	AAA	TCT	CCG	TGC	CAG	CGT	GAA	ACC	CCG	GAA	GGT	GCT	GAA	GCT	405
121	I	K	S	P	C	Q	R	E	T	P	E	G	A	E	A	135
406	AAA	CCG	TGG	TAC	GAA	CCG	ATC	TAC	CTG	GGT	GGC	GTT	TTT	CAA	CTG	450
136	K	P	W	Y	E	P	I	Y	L	G	G	V	F	Q	L	150
451	GAG	AAA	GGT	GAC	CGT	CTG	TCT	GCA	GAA	ATT	AAC	CGT	CCG	GAC	TAC	495
151	E	K	G	D	R	L	S	A	E	I	N	R	P	D	Y	165
496	CTG	GAC	TTC	GCA	GAA	TCT	GGT	CaG	GTT	TAC	TTC	GGT	ATC	ATC	GCT	540
166	L	D	F	A	E	S	G	Q	V	Y	F	G	I	I	A	180
541	CTG	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGA	TCC	TCT	TCT	585
181	L	G	G	G	S	G	G	G	S	G	G	G	S	S	S	195
586	CGT	ACC	CCG	TCT	GAC	AAA	CCG	GTT	GCT	CAC	GTT	GTT	GCA	AAC	CCG	630
196	R	T	P	S	D	K	P	V	A	H	V	V	A	N	P	210
631	CAG	GCT	GAA	GGT	CAA	CTG	CAA	TGG	CTG	AAC	CGT	CGT	GCT	AAC	GCT	675
211	Q	A	E	G	Q	L	Q	W	L	N	R	R	A	N	A	225
676	CTG	CTG	GCT	AAC	GGT	GTT	GAA	CTG	CGT	GAC	AAC	CAG	CTG	GTT	GTT	720
226	L	L	A	N	G	V	E	L	R	D	N	Q	L	V	V	240
721	CCG	TCT	GAA	GGC	CTG	TAC	CTG	ATC	TAC	TCC	CAG	GTT	CTG	TTC	AAA	765
241	P	S	E	G	L	Y	L	I	Y	S	Q	V	L	F	K	255
766	GGC	CAG	GGC	TGC	CCG	TCC	ACC	CAC	GTT	CTG	CTG	ACC	CAC	ACC	ATC	810
256	G	Q	G	C	P	S	T	H	V	L	L	T	H	T	I	270

Figure 20A

Replacement Sheet

811	TCT	CGT	ATC	GCT	GTT	TCC	TAC	CAG	ACC	AAA	GTA	AAC	CTG	CTG	TCT	855
271	S	R	I	A	V	S	Y	Q	T	K	V	N	L	L	S	285
856	GCA	ATC	AAA	TCT	CCG	TGC	CAG	CGT	GAA	ACC	CCG	GAA	GGT	GCT	GAA	900
286	A	I	K	S	P	C	Q	R	E	T	P	E	G	A	E	300
901	GCT	AAA	CCG	TGG	TAC	GAA	CCG	ATC	TAC	CTG	GGT	GGC	GTT	TTT	CAA	945
301	A	K	P	W	Y	E	P	I	Y	L	G	G	V	F	Q	315
946	CTG	GAG	AAA	GGT	GAC	CGT	CTG	TCT	GCA	GAA	ATT	AAC	CGT	CCG	GAC	990
316	L	E	K	G	D	R	L	S	A	E	I	N	R	P	D	330
991	TAC	CTG	GAC	TTC	GCA	GAA	TCT	GGT	CAG	GTT	TAC	TTC	GGT	ATC	ATC	1035
331	Y	L	D	F	A	E	S	G	Q	V	Y	F	G	I	I	345
1036	GCT	CTG	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGA	TCC	TCT	1080
346	A	L	G	G	G	S	G	G	G	S	G	G	G	S	S	360
1081	TCT	CGT	ACC	CCG	TCT	GAC	AAA	CCG	GTT	GCT	CAC	GTT	GTT	GCA	AAC	1125
361	S	R	T	P	S	D	K	P	V	A	H	V	V	A	N	375
1126	CCG	CAG	GCT	GAA	GGT	CAA	CTG	CAA	TGG	CTG	AAC	CGT	CGT	GCT	AAC	1170
376	P	Q	A	E	G	Q	L	Q	W	L	N	R	R	A	N	390
1171	GCT	CTG	CTG	GCT	AAC	GGT	GTT	GAA	CTG	CGT	GAC	AAC	CAG	CTG	GTT	1215
391	A	L	L	A	N	G	V	E	L	R	D	N	Q	L	V	405
1216	GTT	CCG	TCT	GAA	GGC	CTG	TAC	CTG	ATC	TAC	TCC	CAG	GTT	CTG	TTC	1260
406	V	P	S	E	G	L	Y	L	I	Y	S	Q	V	L	F	420
1261	AAA	GGC	CAG	GGC	TGC	CCG	TCC	ACC	CAC	GTT	CTG	CTG	ACC	CAC	ACC	1305
421	K	G	Q	G	C	P	S	T	H	V	L	L	T	H	T	435
1306	ATC	TCT	CGT	ATC	GCT	GTT	TCC	TAC	CAG	ACC	AAA	GTA	AAC	CTG	CTG	1350
436	I	S	R	I	A	V	S	Y	Q	T	K	V	N	L	L	450
1351	TCT	GCA	ATC	AAA	TCT	CCG	TGC	CAG	CGT	GAA	ACC	CCG	GAA	GGT	GCT	1395
451	S	A	I	K	S	P	C	Q	R	E	T	P	E	G	A	465
1396	GAA	GCT	AAA	CCG	TGG	TAC	GAA	CCG	ATC	TAC	CTG	GGT	GGC	GTT	TTT	1440
466	E	A	K	P	W	Y	E	P	I	Y	L	G	G	V	F	480
1441	CAA	CTG	GAG	AAA	GGT	GAC	CGT	CTG	TCT	GCA	GAA	ATT	AAC	CGT	CCG	1485
481	Q	L	E	K	G	D	R	L	S	A	E	I	N	R	P	495
1486	GAC	TAC	CTG	GAC	TTC	GCA	GAA	TCT	GGT	CAG	GTT	TAC	TTC	GGT	ATC	1530
496	D	Y	L	D	F	A	E	S	G	Q	V	Y	F	G	I	510
1531	ATC	GCT	CTG	TGA												1542
511	I	A	L	*												513

Figure 20B

Replacement Sheet

Nucleic acid sequence and corresponding amino acid sequence of scFasL Construct C

1	ATG	GCT	ATC	ATC	TAC	CTC	ATC	CTC	CTG	TTC	ACC	GCT	GTG	CGG	GGC	45
1	M	A	I	I	Y	L	I	L	L	F	T	A	V	R	G	15
46	GCG	GCC	GCG	GAT	TAC	AAA	GAC	GAT	GAC	GAT	AAA	GAA	TTC	ACG	CGT	90
16	A	A	A	D	Y	K	D	D	D	D	K	E	F	T	R	30
91	GAA	AAA	AAG	GAG	CTG	AGG	AAA	GTG	GCC	CAT	TTA	ACA	GGC	AAG	TCC	135
31	E	K	K	E	L	R	K	V	A	H	L	T	G	K	S	45
136	AAC	TCA	AGG	TCC	ATG	CCT	CTG	GAA	TGG	GAA	GAC	ACC	TAT	GGA	ATT	180
46	N	S	R	S	M	P	L	E	W	E	D	T	Y	G	I	60
181	GTC	CTG	CTT	TCT	GGA	GTG	AAG	TAT	AAG	AAG	GGT	GGC	CTT	GTG	ATC	225
61	V	L	L	S	G	V	K	Y	K	K	G	G	L	V	I	75
226	AAT	GAA	ACT	GGG	CTG	TAC	TTT	GTA	TAT	TCC	AAA	GTA	TAC	TTC	CGG	270
76	N	E	T	G	L	Y	F	V	Y	S	K	V	Y	F	R	90
271	GGT	CAA	TCT	TGC	AAC	AAC	CTG	CCC	CTG	AGC	CAC	AAG	GTC	TAC	ATG	315
91	G	Q	S	C	N	N	L	P	L	S	H	K	V	Y	M	105
316	AGG	AAC	TCT	AAG	TAT	CCC	CAG	GAT	CTG	GTG	ATG	ATG	GAG	GGG	AAG	360
106	R	N	S	K	Y	P	Q	D	L	V	M	M	E	G	K	120
361	ATG	ATG	AGC	TAC	TGC	ACT	ACT	GGG	CAG	ATG	TGG	GCC	CGC	AGC	AGC	405
121	M	M	S	Y	C	T	T	G	Q	M	W	A	R	S	S	135
406	TAC	CTG	GGG	GCA	GTG	TTC	AAT	CTT	ACC	AGT	GCT	GAT	CAT	TTA	TAT	450
136	Y	L	G	A	V	F	N	L	T	S	A	D	H	L	Y	150
451	GTC	AAC	GTA	TCT	GAG	CTC	TCT	CTG	GTC	AAT	TTT	GAG	GAA	TCT	CAG	495
151	V	N	V	S	E	L	S	L	V	N	F	E	E	S	Q	165
496	ACG	TTT	TTC	GGC	TTA	TAT	AAG	CTC	GGT	GGC	GGT	TCT	GGT	GGC	GGT	540
166	T	F	F	G	L	Y	K	L	G	G	G	S	G	G	G	180
541	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGA	TCA	GAA	AAA	AAG	GAG	CTG	AGG	585
181	S	G	G	G	S	G	G	G	S	E	K	K	E	L	R	195
586	AAA	GTG	GCC	CAT	TTA	ACA	GGC	AAG	TCC	AAC	TCA	AGG	TCC	ATG	CCT	630
196	K	V	A	H	L	T	G	K	S	N	S	R	S	M	P	210
631	CTG	GAA	TGG	GAA	GAC	ACC	TAT	GGA	ATT	GTC	CTG	CTT	TCT	GGA	GTG	675
211	L	E	W	E	D	T	Y	G	I	V	L	L	S	G	V	225
676	AAG	TAT	AAG	AAG	GGT	GGC	CTT	GTG	ATC	AAT	GAA	ACT	GGG	CTG	TAC	720
226	K	Y	K	K	G	G	L	V	I	N	E	T	G	L	Y	240
721	TTT	GTA	TAT	TCC	AAA	GTA	TAC	TTC	CGG	GGT	CAA	TCT	TGC	AAC	AAC	765
241	F	V	Y	S	K	V	Y	F	R	G	Q	S	C	N	N	255

Figure 21A

Replacement Sheet

766	CTG	CCC	CTG	AGC	CAC	AAG	GTC	TAC	ATG	AGG	AAC	TCT	AAG	TAT	CCC	810
256	L	P	L	S	H	K	V	Y	M	R	N	S	K	Y	P	270
811	CAG	GAT	CTG	GTG	ATG	ATG	GAG	GGG	AAG	ATG	ATG	AGC	TAC	TGC	ACT	855
271	Q	D	L	V	M	M	E	G	K	M	M	S	Y	C	T	285
856	ACT	GGG	CAG	ATG	TGG	GCC	CGC	AGC	AGC	TAC	CTG	GGG	GCA	GTG	TTC	900
286	T	G	Q	M	W	A	R	S	S	Y	L	G	A	V	F	300
901	AAT	CTT	ACC	AGT	GCT	GAT	CAT	TTA	TAT	GTC	AAC	GTA	TCT	GAG	CTC	945
301	N	L	T	S	A	D	H	L	Y	V	N	V	S	E	L	315
946	TCT	CTG	GTC	AAT	TTT	GAG	GAA	TCT	CAG	ACG	TTT	TTC	GGC	TTA	TAT	990
316	S	L	V	N	F	E	E	S	Q	T	F	F	G	L	Y	330
991	AAG	CTC	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	1035
331	K	L	G	G	G	S	G	G	G	S	G	G	G	S	G	345
1036	GGC	GGA	TCC	GAA	AAA	AAG	GAG	CTG	AGG	AAA	GTG	GCC	CAT	TTA	ACA	1080
346	G	G	S	E	K	K	E	L	R	K	V	A	H	L	T	360
1081	GGC	AAG	TCC	AAC	TCA	AGG	TCC	ATG	CCT	CTG	GAA	TGG	GAA	GAC	ACC	1125
361	G	K	S	N	S	R	S	M	P	L	E	W	E	D	T	375
1126	TAT	GGA	ATT	GTC	CTG	CTT	TCT	GGA	GTG	AAG	TAT	AAG	AAG	GGT	GGC	1170
376	Y	G	I	V	L	L	S	G	V	K	Y	K	K	G	G	390
1171	CTT	GTG	ATC	AAT	GAA	ACT	GGG	CTG	TAC	TTT	GTA	TAT	TCC	AAA	GTA	1215
391	L	V	I	N	E	T	G	L	Y	F	V	Y	S	K	V	405
1216	TAC	TTC	CGG	GGT	CAA	TCT	TGC	AAC	AAC	CTG	CCC	CTG	AGC	CAC	AAG	1260
406	Y	F	R	G	Q	S	C	N	N	L	P	L	S	H	K	420
1261	GTC	TAC	ATG	AGG	AAC	TCT	AAG	TAT	CCC	CAG	GAT	CTG	GTG	ATG	ATG	1305
421	V	Y	M	R	N	S	K	Y	P	Q	D	L	V	M	M	435
1306	GAG	GGG	AAG	ATG	ATG	AGC	TAC	TGC	ACT	ACT	GGG	CAG	ATG	TGG	GCC	1350
436	E	G	K	M	M	S	Y	C	T	T	G	Q	M	W	A	450
1351	CGC	AGC	AGC	TAC	CTG	GGG	GCA	GTG	TTC	AAT	CTT	ACC	AGT	GCT	GAT	1395
451	R	S	S	Y	L	G	A	V	F	N	L	T	S	A	D	465
1396	CAT	TTA	TAT	GTC	AAC	GTA	TCT	GAG	CTC	TCT	CTG	GTC	AAT	TTT	GAG	1440
466	H	L	Y	V	N	V	S	E	L	S	L	V	N	F	E	480
1441	GAA	TCT	CAG	ACG	TTT	TTC	GGC	TTA	TAT	AAG	CTC	TGA				1476
481	E	S	Q	T	F	F	G	L	Y	K	L	*				491

Figure 21B

Replacement Sheet

Nucleic acid sequence and corresponding amino acid sequence of scTRAIL

Construct D

1	ATG	GCT	ATC	ATC	TAC	CTC	ATC	CTC	CTG	TTC	ACC	GCT	GTG	CGG	GGC	45
1	M	A	I	I	Y	L	I	L	L	F	T	A	V	R	G	15
46	GCG	GCC	GCG	GAT	TAC	AAA	GAC	GAT	GAC	GAT	AAA	GAA	TTC	GGA	ACC	90
16	A	A	A	D	Y	K	D	D	D	D	K	E	F	G	T	30
91	TCT	GAG	GAA	ACC	ATT	TCT	ACA	GTT	CAA	GAA	AAG	CAA	CAA	AAT	ATT	135
31	S	E	E	T	I	S	T	V	Q	E	K	Q	Q	N	I	45
136	TCT	CCC	CTA	GTG	AGA	GAA	AGA	GGT	CCT	CAG	AGA	GTA	GCA	GCT	CAC	180
46	S	P	L	V	R	E	R	G	P	Q	R	V	A	A	H	60
181	ATA	ACT	GGG	ACC	AGA	GGA	AGA	AGC	AAC	ACA	TTG	TCT	TCT	CCA	AAC	225
61	I	T	G	T	R	G	R	S	N	T	L	S	S	P	N	75
226	TCC	AAG	AAT	GAA	AAG	GCT	CTG	GGC	CGC	AAA	ATA	AAC	TCC	TGG	GAA	270
76	S	K	N	E	K	A	L	G	R	K	I	N	S	W	E	90
271	TCA	TCA	AGG	AGT	GGG	CAT	TCA	TTC	CTG	AGC	AAC	TTG	CAC	TTG	AGG	315
91	S	S	R	S	G	H	S	F	L	S	N	L	H	L	R	105
316	AAT	GGT	GAA	CTG	GTC	ATC	CAT	GAA	AAA	GGG	TTT	TAC	TAC	ATC	TAT	360
106	N	G	E	L	V	I	H	E	K	G	F	Y	Y	I	Y	120
361	TCC	CAA	ACA	TAC	TTT	CGA	TTT	CAG	GAG	GAA	ATA	AAA	GAA	AAC	ACA	405
121	S	Q	T	Y	F	R	F	Q	E	E	I	K	E	N	T	135
406	AAG	AAC	GAC	AAA	CAA	ATG	GTC	CAA	TAT	ATT	TAC	AAA	TAC	ACA	AGT	450
136	K	N	D	K	Q	M	V	Q	Y	I	Y	K	Y	T	S	150
451	TAT	CCT	GAC	CCT	ATA	TTG	TTG	ATG	AAA	AGT	GCT	AGA	AAT	AGT	TGT	495
151	Y	P	D	P	I	L	L	M	K	S	A	R	N	S	C	165
496	TGG	TCT	AAA	GAT	GCA	GAA	TAT	GGA	CTC	TAT	TCC	ATC	TAT	CAA	GGG	540
166	W	S	K	D	A	E	Y	G	L	Y	S	I	Y	Q	G	180
541	GGA	ATA	TTT	GAG	CTT	AAG	GAA	AAT	GAC	AGA	ATT	TTT	GTT	TCT	GTA	585
181	G	I	F	E	L	K	E	N	D	R	I	F	V	S	V	195
586	ACA	AAT	GAG	CAC	TTG	ATA	GAC	ATG	GAC	CAT	GAA	GCC	AGT	TTT	TTC	630
196	T	N	E	H	L	I	D	M	D	H	E	A	S	F	F	210
631	GGG	GCC	TTT	TTA	GTT	GGC	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	675
211	G	A	F	L	V	G	G	G	G	S	G	G	G	S	G	225
676	GGC	GGT	TCT	GGT	GGC	GGA	TCA	ACC	TCT	GAG	GAA	ACC	ATT	TCT	ACA	720
226	G	G	S	G	G	G	S	T	S	E	E	T	I	S	T	240
721	GTT	CAA	GAA	AAG	CAA	CAA	AAT	ATT	TCT	CCC	CTA	GTG	AGA	GAA	AGA	765
241	V	Q	E	K	Q	Q	N	I	S	P	L	V	R	E	R	255

Figure 22A

Replacement Sheet

766	GGT	CCT	CAG	AGA	GTA	GCA	GCT	CAC	ATA	ACT	GGG	ACC	AGA	GGA	AGA	810
256	G	P	Q	R	V	A	A	H	I	T	G	T	R	G	R	270
811	AGC	AAC	ACA	TTG	TCT	TCT	CCA	AAC	TCC	AAG	AAT	GAA	AAG	GCT	CTG	855
271	S	N	T	L	S	S	P	N	S	K	N	E	K	A	L	285
856	GGC	CGC	AAA	ATA	AAC	TCC	TGG	GAA	TCA	TCA	AGG	AGT	GGG	CAT	TCA	900
286	G	R	K	I	N	S	W	E	S	S	R	S	G	H	S	300
901	TTC	CTG	AGC	AAC	TTG	CAC	TTG	AGG	AAT	GGT	GAA	CTG	GTC	ATC	CAT	945
301	F	L	S	N	L	H	L	R	N	G	E	L	V	I	H	315
946	GAA	AAA	GGG	TTT	TAC	TAC	ATC	TAT	TCC	CAA	ACA	TAC	TTT	CGA	TTT	990
316	E	K	G	F	Y	Y	I	Y	S	Q	T	Y	F	R	F	330
991	CAG	GAG	GAA	ATA	AAA	GAA	AAC	ACA	AAG	AAC	GAC	AAA	CAA	ATG	GTC	1035
331	Q	E	E	I	K	E	N	T	K	N	D	K	Q	M	V	345
1036	CAA	TAT	ATT	TAC	AAA	TAC	ACA	AGT	TAT	CCT	GAC	CCT	ATA	TTG	TTG	1080
346	Q	Y	I	Y	K	Y	T	S	Y	P	D	P	I	L	L	360
1081	ATG	AAA	AGT	GCT	AGA	AAT	AGT	TGT	TGG	TCT	AAA	GAT	GCA	GAA	TAT	1125
361	M	K	S	A	R	N	S	C	W	S	K	D	A	E	Y	375
1126	GGA	CTC	TAT	TCC	ATC	TAT	CAA	GGG	GGA	ATA	TTT	GAG	CTT	AAG	GAA	1170
376	G	L	Y	S	I	Y	Q	G	G	I	F	E	L	K	E	390
1171	AAT	GAC	AGA	ATT	TTT	GTT	TCT	GTA	ACA	AAT	GAG	CAC	TTG	ATA	GAC	1215
391	N	D	R	I	F	V	S	V	T	N	E	H	L	I	D	405
1216	ATG	GAC	CAT	GAA	GCC	AGT	TTT	TTC	GGG	GCC	TTT	TTA	GTT	GGC	GGT	1260
406	M	D	H	E	A	S	F	F	G	A	F	L	V	G	G	420
1261	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGA	TCC	1305
421	G	G	S	G	G	G	S	G	G	G	S	G	G	G	S	435
1306	ACC	TCT	GAG	GAA	ACC	ATT	TCT	ACA	GTT	CAA	GAA	AAG	CAA	CAA	AAT	1350
436	T	S	E	E	T	I	S	T	V	Q	E	K	Q	Q	N	450
1351	ATT	TCT	CCC	CTA	GTG	AGA	GAA	AGA	GGT	CCT	CAG	AGA	GTA	GCA	GCT	1395
451	I	S	P	L	V	R	E	R	G	P	Q	R	V	A	A	465
1396	CAC	ATA	ACT	GGG	ACC	AGA	GGA	AGA	AGC	AAC	ACA	TTG	TCT	TCT	CCA	1440
466	H	I	T	G	T	R	G	R	S	N	T	L	S	S	P	480
1441	AAC	TCC	AAG	AAT	GAA	AAG	GCT	CTG	GGC	CGC	AAA	ATA	AAC	TCC	TGG	1485
481	N	S	K	N	E	K	A	L	G	R	K	I	N	S	W	495
1486	GAA	TCA	TCA	AGG	AGT	GGG	CAT	TCA	TTC	CTG	AGC	AAC	TTG	CAC	TTG	1530
496	E	S	S	R	S	G	H	S	F	L	S	N	L	H	L	510
1531	AGG	AAT	GGT	GAA	CTG	GTC	ATC	CAT	GAA	AAA	GGG	TTT	TAC	TAC	ATC	1575
511	R	N	G	E	L	V	I	H	E	K	G	F	Y	Y	I	525
1576	TAT	TCC	CAA	ACA	TAC	TTT	CGA	TTT	CAG	GAG	GAA	ATA	AAA	GAA	AAC	1620
526	Y	S	Q	T	Y	F	R	F	Q	E	E	I	K	E	N	540

Figure 22B

Replacement Sheet

1621	ACA	AAG	AAC	GAC	AAA	CAA	ATG	GTC	CAA	TAT	ATT	TAC	AAA	TAC	ACA	1665
541	T	K	N	D	K	Q	M	V	Q	Y	I	Y	K	Y	T	555
1666	AGT	TAT	CCT	GAC	CCT	ATA	TTG	TTG	ATG	AAA	AGT	GCT	AGA	AAT	AGT	1710
556	S	Y	P	D	P	I	L	L	M	K	S	A	R	N	S	570
1711	TGT	TGG	TCT	AAA	GAT	GCA	GAA	TAT	GGA	CTC	TAT	TCC	ATC	TAT	CAA	1755
571	C	W	S	K	D	A	E	Y	G	L	Y	S	I	Y	Q	585
1756	GGG	GGA	ATA	TTT	GAG	CTT	AAG	GAA	AAT	GAC	AGA	ATT	TTT	GTT	TCT	1800
586	G	G	I	F	E	L	K	E	N	D	R	I	F	V	S	600
1801	GTA	ACA	AAT	GAG	CAC	TTG	ATA	GAC	ATG	GAC	CAT	GAA	GCC	AGT	TTT	1845
601	V	T	N	E	H	L	I	D	M	D	H	E	A	S	F	615
1846	TTC	GGG	GCC	TTT	TTA	GTT	GGC	TGA								1866
616	F	G	A	F	L	V	G	*								622

Figure 22C

Replacement Sheet

Nucleic acid sequence and corresponding amino acid sequence of scTNF

Construct E

1	ATG GCT ATC ATC TAC CTC ATC CTC CTG TTC ACC GCT GTG CGG GGC	45
1	M A I I Y L I L L F T A V R G	15
46	GCG GCC GCG GAT TAC AAA GAC GAT GAC GAT AAA GAA TTC GGA TCA	90
16	A A A D Y K D D D D K E F G S	30
91	TCT TCT CGA ACC CCG AGT GAC AAG CCT GTA GCC CAT GTT GTA GCA	135
31	S S R T P S D K P V A H V V A	45
136	AAC CCT CAA GCT GAG GGG CAG CTC CAG TGG CTG AAC CGC CGG GCC	180
46	N P Q A E G Q L Q W L N R R A	60
181	AAT GCC CTC CTG GCC AAT GGC GTG GAG CTG AGA GAT AAC CAG CTG	225
61	N A L L A N G V E L R D N Q L	75
226	GTG GTG CCA TCA GAG GGC CTG TAC CTC ATC TAC TCC CAG GTC CTC	270
76	V V P S E G L Y L I Y S Q V L	90
271	TTC AAG GGC CAA GGC TGC CCC TCC ACC CAT GTG CTC CTC ACC CAC	315
91	F K G Q G C P S T H V L L T H	105
316	ACC ATC AGC CGC ATC GCC GTC TCC TAC CAG ACC AAG GTC AAC CTC	360
106	T I S R I A V S Y Q T K V N L	120
361	CTC TCT GCC ATC AAG AGC CCC TGC CAG AGG GAG ACC CCA GAG GGG	405
121	L S A I K S P C Q R E T P E G	135
406	GCT GAG GCC AAG CCC TGG TAT GAG CCC ATC TAT CTG GGA GGG GTC	450
136	A E A K P W Y E P I Y L G G V	150
451	TTC CAG CTG GAG AAG GGT GAC CGA CTC AGC GCT GAG ATC AAT CGG	495
151	F Q L E K G D R L S A E I N R	165
496	CCC GAC TAT CTC GAC TTT GCC GAG TCT GGG CAG GTC TAC TTT GGG	540
166	P D Y L D F A E S G Q V Y F G	180
541	ATC ATT GCC CTG GGT GGC GGT TCT GGT GGC GGT TCT GGT GGC GGT	585
181	I I A L G G G S G G G S G G G	195
586	TCT GGT GGC GGA TCA TCA TCT TCT CGA ACC CCG AGT GAC AAG CCT	630
196	S G G G S S S S R T P S D K P	210
631	GTA GCC CAT GTT GTA GCA AAC CCT CAA GCT GAG GGG CAG CTC CAG	675
211	V A H V V A N P Q A E G Q L Q	225
676	TGG CTG AAC CGC CGG GCC AAT GCC CTC CTG GCC AAT GGC GTG GAG	720
226	W L N R R A N A L L A N G V E	240
721	CTG AGA GAT AAC CAG CTG GTG GTG CCA TCA GAG GGC CTG TAC CTC	765
241	L R D N Q L V V P S E G L Y L	255

Figure 23A

Replacement Sheet

766	ATC TAC TCC CAG GTC CTC TTC AAG GGC CAA GGC TGC CCC TCC ACC	810
256	I Y S Q V L F K G Q G C P S T	270
811	CAT GTG CTC CTC ACC CAC ACC ATC AGC CGC ATC GCC GTC TCC TAC	855
271	H V L L T H T I S R I A V S Y	285
856	CAG ACC AAG GTC AAC CTC CTC TCT GCC ATC AAG AGC CCC TGC CAG	900
286	Q T K V N L L S A I K S P C Q	300
901	AGG GAG ACC CCA GAG GGG GCT GAG GCC AAG CCC TGG TAT GAG CCC	945
301	R E T P E G A E A K P W Y E P	315
946	ATC TAT CTG GGA GGG GTC TTC CAG CTG GAG AAG GGT GAC CGA CTC	990
316	I Y L G G V F Q L E K G D R L	330
991	AGC GCT GAG ATC AAT CGG CCC GAC TAT CTC GAC TTT GCC GAG TCT	1035
331	S A E I N R P D Y L D F A E S	345
1036	GGG CAG GTC TAC TTT GGG ATC ATT GCC CTG GGT GGC GGT TCT GGT	1080
346	G Q V Y F G I I A L G G G S G	360
1081	GGC GGT TCT GGT GGC GGT TCT GGT GGC GGA TCA TCA TCT TCT CGA	1125
361	G G S G G G S G G G S S S S R	375
1126	ACC CCG AGT GAC AAG CCT GTA GCC CAT GTT GTA GCA AAC CCT CAA	1170
376	T P S D K P V A H V V A N P Q	390
1171	GCT GAG GGG CAG CTC CAG TGG CTG AAC CGC CGG GCC AAT GCC CTC	1215
391	A E G Q L Q W L N R R A N A L	405
1216	CTG GCC AAT GGC GTG GAG CTG AGA GAT AAC CAG CTG GTG GTG CCA	1260
406	L A N G V E L R D N Q L V V P	420
1261	TCA GAG GGC CTG TAC CTC ATC TAC TCC CAG GTC CTC TTC AAG GGC	1305
421	S E G L Y L I Y S Q V L F K G	435
1306	CAA GGC TGC CCC TCC ACC CAT GTG CTC CTC ACC CAC ACC ATC AGC	1350
436	Q G C P S T H V L L T H T I S	450
1351	CGC ATC GCC GTC TCC TAC CAG ACC AAG GTC AAC CTC CTC TCT GCC	1395
451	R I A V S Y Q T K V N L L S A	465
1396	ATC AAG AGC CCC TGC CAG AGG GAG ACC CCA GAG GGG GCT GAG GCC	1440
466	I K S P C Q R E T P E G A E A	480
1441	AAG CCC TGG TAT GAG CCC ATC TAT CTG GGA GGG GTC TTC CAG CTG	1485
481	K P W Y E P I Y L G G V F Q L	495
1486	GAG AAG GGT GAC CGA CTC AGC GCT GAG ATC AAT CGG CCC GAC TAT	1530
496	E K G D R L S A E I N R P D Y	510
1531	CTC GAC TTT GCC GAG TCT GGG CAG GTC TAC TTT GGG ATC ATT GCC	1575
511	L D F A E S G Q V Y F G I I A	525
1576	CTG TGA	1581
526	L *	526

Figure 23B

Replacement Sheet

Nucleic acid sequence and corresponding amino acid sequence of scFasL-AMAIZE Construct F

1	ATG	GAC	TGG	ACC	TGG	CGC	GTG	TTT	TGC	CTG	CTC	GCC	GTG	GCT	CCT	45
1	M	D	W	T	W	R	V	F	C	L	L	A	V	A	P	15
46	GGG	GCC	CAC	AGC	CAG	GTA	CAG	CTG	GTG	CAG	TCT	GGG	GGA	GGC	ATG	90
16	G	A	H	S	Q	V	Q	L	V	Q	S	G	G	G	M	30
91	GTA	GAG	CCT	GGG	GGG	TCC	CTT	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	135
31	V	E	P	G	G	S	L	R	L	S	C	A	A	S	G	45
136	TTC	ACT	TTC	AGT	AAT	GCC	TGG	ATG	AGC	TGG	GTC	CGC	CAG	GCT	CCA	180
46	F	T	F	S	N	A	W	M	S	W	V	R	Q	A	P	60
181	GGG	AAG	GGG	CTG	GAG	TGG	GTT	GGC	CGT	ATA	AAA	AGC	AAA	GCT	GGT	225
61	G	K	G	L	E	W	V	G	R	I	K	S	K	A	G	75
226	GGT	GGG	ACA	GCA	GAG	TAC	GCT	GCA	CCC	GTG	AAA	GGC	AGA	TTC	ACC	270
76	G	G	T	A	E	Y	A	A	P	V	K	G	R	F	T	90
271	ATC	TCA	AGA	GAT	GAT	TCA	CAA	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	315
91	I	S	R	D	D	S	Q	N	T	L	Y	L	Q	M	N	105
316	AGC	CTG	AAA	ACC	GAC	GAC	ACA	GCC	GTG	TAT	TAC	TGT	ACC	ACA	CAT	360
106	S	L	K	T	D	D	T	A	V	Y	Y	C	T	T	H	120
361	GTC	TAC	GGT	GCC	CCC	CGG	AAC	TGG	GGC	CAG	GGA	TCC	CTG	GTC	ACC	405
121	V	Y	G	A	P	R	N	W	G	Q	G	S	L	V	T	135
406	GTC	TCC	TCA	GCC	TCC	ACC	AAG	GGC	CCA	AAG	CTT	GAA	GAA	GGT	GAA	450
136	V	S	S	A	S	T	K	G	P	K	L	E	E	G	E	150
451	TTT	TCA	GAA	GCA	CGC	GTA	CAG	TCT	GTG	TTG	ACT	CAG	CCG	CCC	TCA	495
151	F	S	E	A	R	V	Q	S	V	L	T	Q	P	P	S	165
496	GTG	TCT	GCG	GCC	CCA	GGA	CAG	AAG	GTC	ACC	ATC	TCC	TGC	TCT	GGA	540
166	V	S	A	A	P	G	Q	K	V	T	I	S	C	S	G	180
541	AGC	AGC	TCC	AAC	ATT	GGA	AAT	AAT	TAT	GTC	TCC	TGG	TAC	GTT	CAA	585
181	S	S	S	N	I	G	N	N	Y	V	S	W	Y	V	Q	195
586	CTC	CCA	GGA	ACA	GCC	CCC	AAA	CTC	CTC	ATT	TAT	GAC	AAT	AAT	AAG	630
196	L	P	G	T	A	P	K	L	L	I	Y	D	N	N	K	210
631	CGA	TTC	TCA	GGA	GTT	CCT	GAC	CGA	TTC	TCT	GGC	TCC	AAG	TCT	GGC	675
211	R	F	S	G	V	P	D	R	F	S	G	S	K	S	G	225
676	ACG	TCA	GCC	ACC	CTG	GGC	ATC	ACC	GGG	CTC	CAG	ACT	GGG	GAC	GAG	720
226	T	S	A	T	L	G	I	T	G	L	Q	T	G	D	E	240
721	GCC	GAT	TAT	TAC	TGC	GGA	GCA	TGG	GAT	GGC	AGC	CTG	CGT	GAA	GCG	765
241	A	D	Y	Y	C	G	A	W	D	G	S	L	R	E	A	255

Figure 24A

Replacement Sheet

766	GTA	TTC	GGC	GGA	GGG	ACC	AAG	GTC	ACC	GTC	CTA	GGT	GCG	GCC	GCA	810
256	V	F	G	G	G	T	K	V	T	V	L	G	A	A	A	270
811	GTT	GAG	CTC	GAG	gcg	GCC	GCG	GAT	TAC	AAA	GAC	GAT	GAC	GAT	AAA	855
271	V	E	L	E	A	A	A	D	Y	K	D	D	D	D	K	285
856	GAA	TTC	ACG	CGT	GAA	AAA	AAG	GAG	CTG	AGG	AAA	GTG	GCC	CAT	TTA	900
286	E	F	T	R	E	K	K	E	L	R	K	V	A	H	L	300
901	ACA	GGC	AAG	TCC	AAC	TCA	AGG	TCC	ATG	CCT	CTG	GAA	TGG	GAA	GAC	945
301	T	G	K	S	N	S	R	S	M	P	L	E	W	E	D	315
946	ACC	TAT	GGA	ATT	GTC	CTG	CTT	TCT	GGA	GTG	AAG	TAT	AAG	AAG	GGT	990
316	T	Y	G	I	V	L	L	S	G	V	K	Y	K	K	G	330
991	GGC	CTT	GTG	ATC	AAT	GAA	ACT	GGG	CTG	TAC	TTT	GTA	TAT	TCC	AAA	1035
331	G	L	V	I	N	E	T	G	L	Y	F	V	Y	S	K	345
1036	GTA	TAC	TTC	CGG	GGT	CAA	TCT	TGC	AAC	AAC	CTG	CCC	CTG	AGC	CAC	1080
346	V	Y	F	R	G	Q	S	C	N	N	L	P	L	S	H	360
1081	AAG	GTC	TAC	ATG	AGG	AAC	TCT	AAG	TAT	CCC	CAG	GAT	CTG	GTG	ATG	1125
361	K	V	Y	M	R	N	S	K	Y	P	Q	D	L	V	M	375
1126	ATG	GAG	GGG	AAG	ATG	ATG	AGC	TAC	TGC	ACT	ACT	GGG	CAG	ATG	TGG	1170
376	M	E	G	K	M	M	S	Y	C	T	T	G	Q	M	W	390
1171	GCC	CGC	AGC	AGC	TAC	CTG	GGG	GCA	GTG	TTC	AAT	CTT	ACC	AGT	GCT	1215
391	A	R	S	S	Y	L	G	A	V	F	N	L	T	S	A	405
1216	GAT	CAT	TTA	TAT	GTC	AAC	GTA	TCT	GAG	CTC	TCT	CTG	GTC	AAT	TTT	1260
406	D	H	L	Y	V	N	V	S	E	L	S	L	V	N	F	420
1261	GAG	GAA	TCT	CAG	ACG	TTT	TTT	GGC	TTA	TAT	AAG	CTC	GGT	GGC	GGT	1305
421	E	E	S	Q	T	F	F	G	L	Y	K	L	G	G	G	435
1306	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGA	TCA	GAA	AAA	1350
436	S	G	G	G	S	G	G	G	S	G	G	G	S	E	K	450
1351	AAG	GAG	CTG	AGG	AAA	GTG	GCC	CAT	TTA	ACA	GGC	AAG	TCC	AAC	TCA	1395
451	K	E	L	R	K	V	A	H	L	T	G	K	S	N	S	465
1396	AGG	TCC	ATG	CCT	CTG	GAA	TGG	GAA	GAC	ACC	TAT	GGA	ATT	GTC	CTG	1440
466	R	S	M	P	L	E	W	E	D	T	Y	G	I	V	L	480
1441	CTT	TCT	GGA	GTG	AAG	TAT	AAG	AAG	GGT	GGC	CTT	GTG	ATC	AAT	GAA	1485
481	L	S	G	V	K	Y	K	K	G	G	L	V	I	N	E	495
1486	ACT	GGG	CTG	TAC	TTT	GTA	TAT	TCC	AAA	GTA	TAC	TTC	CGG	GGT	CAA	1530
496	T	G	L	Y	F	V	Y	S	K	V	Y	F	R	G	Q	510
1531	TCT	TGC	AAC	AAC	CTG	CCC	CTG	AGC	CAC	AAG	GTC	TAC	ATG	AGG	AAC	1575
511	S	C	N	N	L	P	L	S	R	K	V	Y	M	R	N	525
1576	TCT	AAG	TAT	CCC	CAG	GAT	CTG	GTG	ATG	ATG	GAG	GGG	AAG	ATG	ATG	1620
526	S	K	Y	P	Q	D	L	V	M	M	E	G	K	M	M	540

Figure 24B

Replacement Sheet

1621	AGC	TAC	TGC	ACT	ACT	GGG	CAG	ATG	TGG	GCC	CGC	AGC	AGC	TAC	CTG	1665
541	S	Y	C	T	T	G	Q	M	W	A	R	S	S	Y	L	555
1666	GGG	GCA	GTG	TTC	AAT	CTT	ACC	AGT	GCT	GAT	CAT	TTA	TAT	GTC	AAC	1710
556	G	A	V	F	N	L	T	S	A	D	H	L	Y	V	N	570
1711	GTA	TCT	GAG	CTC	TCT	CTG	GTC	AAT	TTT	GAG	GAA	TCT	CAG	ACG	TTT	1755
571	V	S	E	L	S	L	V	N	F	E	E	S	Q	T	F	585
1756	TTC	GGC	TTA	TAT	AAG	CTC	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	1800
586	F	G	L	Y	K	L	G	G	G	S	G	G	G	S	G	600
1801	GGC	GGT	TCT	GGT	GGC	GGA	TCC	GAA	AAA	AAG	GAG	CTG	AGG	AAA	GTG	1845
601	G	G	S	G	G	G	S	E	K	K	E	L	R	K	V	615
1846	GCC	CAT	TTA	ACA	GGC	AAG	TCC	AAC	TCA	AGG	TCC	ATG	CCT	CTG	GAA	1890
616	A	H	L	T	G	K	S	N	S	R	S	M	P	L	E	630
1891	TGG	GAA	GAC	ACC	TAT	GGA	ATT	GTC	CTG	CTT	TCT	GGA	GTG	AAG	TAT	1935
631	W	E	D	T	Y	G	I	V	L	L	S	G	V	K	Y	645
1936	AAG	AAG	GGT	GGC	CTT	GTG	ATC	AAT	GAA	ACT	GGG	CTG	TAC	TTT	GTA	1980
646	K	K	G	G	L	V	I	N	E	T	G	L	Y	F	V	660
1981	TAT	TCC	AAA	GTA	TAC	TTC	CGG	GGT	CAA	TCT	TGC	AAC	AAC	CTG	CCC	2025
661	Y	S	K	V	Y	F	R	G	Q	S	C	N	N	L	P	675
2026	CTG	AGC	CAC	AAG	GTC	TAC	ATG	AGG	AAC	TCT	AAG	TAT	CCC	CAG	GAT	2070
676	L	S	H	K	V	Y	M	R	N	S	K	Y	P	Q	D	690
2071	CTG	GTG	ATG	ATG	GAG	GGG	AAG	ATG	ATG	AGC	TAC	TGC	ACT	ACT	GGG	2115
691	L	V	M	M	E	G	K	M	M	S	Y	C	T	T	G	705
2116	CAG	ATG	TGG	GCC	CGC	AGC	AGC	TAC	CTG	GGG	GCA	GTG	TTC	AAT	CTT	2160
706	Q	M	W	A	R	S	S	Y	L	G	A	V	F	N	L	720
2161	ACC	AGT	GCT	GAT	CAT	TTA	TAT	GTC	AAC	GTA	TCT	GAG	CTC	TCT	CTG	2205
721	T	S	A	D	H	L	Y	V	N	V	S	E	L	S	L	735
2206	GTC	AAT	TTT	GAG	GAA	TCT	CAG	ACG	TTT	TTC	GGC	TTA	TAT	AAG	CTC	2250
736	V	N	F	E	E	S	Q	T	F	F	G	L	Y	K	L	750
2251	TGA															2253
751	*															751

Figure 24C

Replacement Sheet

Nucleic acid sequence and corresponding amino acid sequence of scTRAIL-AMAIze

Construct G

1	ATG	GAC	TGG	ACC	TGG	CGC	GTG	TTT	TGC	CTG	CTC	GCC	GTG	GCT	CCT	45
1	M	D	W	T	W	R	V	F	C	L	L	A	V	A	P	15
46	GGG	GCC	CAC	AGC	CAG	GTA	CAG	CTG	GTG	CAG	TCT	GGG	GGA	GGC	ATG	90
16	G	A	H	S	Q	V	Q	L	V	Q	S	G	G	G	M	30
91	GTA	GAG	CCT	GGG	GGG	TCC	CTT	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	135
31	V	E	P	G	G	S	L	R	L	S	C	A	A	S	G	45
136	TTC	ACT	TTC	AGT	AAT	GCC	TGG	ATG	AGC	TGG	GTC	CGC	CAG	GCT	CCA	180
46	F	T	F	S	N	A	W	M	S	W	V	R	Q	A	P	60
181	GGG	AAG	GGG	CTG	GAG	TGG	GTT	GGC	CGT	ATA	AAA	AGC	AAA	GCT	GGT	225
61	G	K	G	L	E	W	V	G	R	I	K	S	K	A	G	75
226	GGT	GGG	ACA	GCA	GAG	TAC	GCT	GCA	CCC	GTG	AAA	GGC	AGA	TTC	ACC	270
76	G	G	T	A	E	Y	A	A	P	V	K	G	R	F	T	90
271	ATC	TCA	AGA	GAT	GAT	TCA	CAA	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	315
91	I	S	R	D	D	S	Q	N	T	L	Y	L	Q	M	N	105
316	AGC	CTG	AAA	ACC	GAC	GAC	ACA	GCC	GTG	TAT	TAC	TGT	ACC	ACA	CAT	360
106	S	L	K	T	D	D	T	A	V	Y	Y	C	T	T	H	120
361	GTC	TAC	GGT	GCC	CCC	CGG	AAC	TGG	GGC	CAG	GGA	TCC	CTG	GTC	ACC	405
121	V	Y	G	A	P	R	N	W	G	Q	G	S	L	V	T	135
406	GTC	TCC	TCA	GCC	TCC	ACC	AAG	GGC	CCA	AAG	CTT	GAA	GAA	GGT	GAA	450
136	V	S	S	A	S	T	K	G	P	K	L	E	E	G	E	150
451	TTT	TCA	GAA	GCA	CGC	GTA	CAG	TCT	GTG	TTG	ACT	CAG	CCG	CCC	TCA	495
151	F	S	E	A	R	V	Q	S	V	L	T	Q	P	P	S	165
496	GTG	TCT	GCG	GCC	CCA	GGA	CAG	AAG	GTC	ACC	ATC	TCC	TGC	TCT	GGA	540
166	V	S	A	A	P	G	Q	K	V	T	I	S	C	S	G	180
541	AGC	AGC	TCC	AAC	ATT	GGA	AAT	AAT	TAT	GTC	TCC	TGG	TAC	GTT	CAA	585
181	S	S	S	N	I	G	N	N	Y	V	S	W	Y	V	Q	195
586	CTC	CCA	GGA	ACA	GCC	CCC	AAA	CTC	CTC	ATT	TAT	GAC	AAT	AAT	AAG	630
196	L	P	G	T	A	P	K	L	L	I	Y	D	N	N	K	210
631	CGA	TTC	TCA	GGA	GTT	CCT	GAC	CGA	TTC	TCT	GGC	TCC	AAG	TCT	GGC	675
211	R	F	S	G	V	P	D	R	F	S	G	S	K	S	G	225
676	ACG	TCA	GCC	ACC	CTG	GGC	ATC	ACC	GGG	CTC	CAG	ACT	GGG	GAC	GAG	720
226	T	S	A	T	L	G	I	T	G	L	Q	T	G	D	E	240

Figure 25A

Replacement Sheet

721	GCC	GAT	TAT	TAC	TGC	GGA	GCA	TGG	GAT	GGC	AGC	CTG	CGT	GAA	GCG	765
241	A	D	Y	Y	C	G	A	W	D	G	S	L	R	E	A	255
766	GTA	TTC	GGC	GGA	GGG	ACC	AAG	GTC	ACC	GTC	CTA	GGT	GCG	GCC	GCA	810
256	V	F	G	G	G	T	K	V	T	V	L	G	A	A	A	270
811	GTT	GAG	CTC	GAG	GCG	GCC	GCG	GAT	TAC	AAA	GAC	GAT	GAC	GAT	AAA	855
271	V	E	L	E	A	A	A	D	Y	K	D	D	D	D	K	285
856	GAA	TTC	GGA	ACC	TCT	GAG	GAA	ACC	ATT	TCT	ACA	GTT	CAA	GAA	AAG	900
286	E	F	G	T	S	E	E	T	I	S	T	V	Q	E	K	300
901	CAA	CAA	AAT	ATT	TCT	CCC	CTA	GTG	AGA	GAA	AGA	GGT	CCT	CAG	AGA	945
301	Q	Q	N	I	S	P	L	V	R	E	R	G	P	Q	R	315
946	GTA	GCA	GCT	CAC	ATA	ACT	GGG	ACC	AGA	GGA	AGA	AGC	AAC	ACA	TTG	990
316	V	A	A	H	I	T	G	T	R	G	R	S	N	T	L	330
991	TCT	TCT	CCA	AAC	TCC	AAG	AAT	GAA	AAG	GCT	CTG	GGC	CGC	AAA	ATA	1035
331	S	S	P	N	S	K	N	E	K	A	L	G	R	K	I	345
1036	AAC	TCC	TGG	GAA	TCA	TCA	AGG	AGT	GGG	CAT	TCA	TTC	CTG	AGC	AAC	1080
346	N	S	W	E	S	S	R	S	G	H	S	F	L	S	N	360
1081	TTG	CAC	TTG	AGG	AAT	GGT	GAA	CTG	GTC	ATC	CAT	GAA	AAA	GGG	TTT	1125
361	L	H	L	R	N	G	E	L	V	I	H	E	K	G	F	375
1126	TAC	TAC	ATC	TAT	TCC	CAA	ACA	TAC	TTT	CGA	TTT	CAG	GAG	GAA	ATA	1170
376	Y	Y	I	Y	S	Q	T	Y	F	R	F	Q	E	E	I	390
1171	AAA	GAA	AAC	ACA	AAG	AAC	GAC	AAA	CAA	ATG	GTC	CAA	TAT	ATT	TAC	1215
391	K	E	N	T	K	N	D	K	Q	M	V	Q	Y	I	Y	405
1216	AAA	TAC	ACA	AGT	TAT	CCT	GAC	CCT	ATA	TTG	TTG	ATG	AAA	AGT	GCT	1260
406	K	Y	T	S	Y	P	D	P	I	L	L	M	K	S	A	420
1261	AGA	AAT	AGT	TGT	TGG	TCT	AAA	GAT	GCA	GAA	TAT	GGA	CTC	TAT	TCC	1305
421	R	N	S	C	W	S	K	D	A	E	Y	G	L	Y	S	435
1306	ATC	TAT	CAA	GGG	GGA	ATA	TTT	GAG	CTT	AAG	GAA	AAT	GAC	AGA	ATT	1350
436	I	Y	Q	G	G	I	F	E	L	K	E	N	D	R	I	450
1351	TTT	GTT	TCT	GTA	ACA	AAT	GAG	CAC	TTG	ATA	GAC	ATG	GAC	CAT	GAA	1395
451	F	V	S	V	T	N	E	H	L	I	D	M	D	H	E	465
1396	GCC	AGT	TTT	TTC	GGG	GCC	TTT	TTA	GTT	GGC	GGT	GGC	GGT	TCT	GGT	1440
466	A	S	F	F	G	A	F	L	V	G	G	G	G	S	G	480
1441	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGA	TCA	ACC	TCT	GAG	GAA	1485
481	G	G	S	G	G	G	S	G	G	G	S	T	S	E	E	495
1486	ACC	ATT	TCT	ACA	GTT	CAA	GAA	AAG	CAA	CAA	AAT	ATT	TCT	CCC	CTA	1530
496	T	I	S	T	V	Q	E	K	Q	Q	N	I	S	P	L	510
1531	GTG	AGA	GAA	AGA	GGT	CCT	CAG	AGA	GTA	GCA	GCT	CAC	ATA	ACT	GGG	1575
511	V	R	E	R	G	P	Q	R	V	A	A	H	I	T	G	525

Figure 25B

Replacement Sheet

1576	ACC	AGA	GGA	AGA	AGC	AAC	ACA	TTG	TCT	TCT	CCA	AAC	TCC	AAG	AAT	1620
526	T	R	G	R	S	N	T	L	S	S	P	N	S	K	N	540
1621	GAA	AAG	GCT	CTG	GGC	CGC	AAA	ATA	AAC	TCC	TGG	GAA	TCA	TCA	AGG	1665
541	E	K	A	L	G	R	K	I	N	S	W	E	S	S	R	555
1666	AGT	GGG	CAT	TCA	TTC	CTG	AGC	AAC	TTG	CAC	TTG	AGG	AAT	GGT	GAA	1710
556	S	G	H	S	F	L	S	N	L	H	L	R	N	G	E	570
1711	CTG	GTC	ATC	CAT	GAA	AAA	GGG	TTT	TAC	TAC	ATC	TAT	TCC	CAA	ACA	1755
571	L	V	I	H	E	K	G	F	Y	Y	I	Y	S	Q	T	585
1756	TAC	TTT	CGA	TTT	CAG	GAG	GAA	ATA	AAA	GAA	AAC	ACA	AAG	AAC	GAC	1800
586	Y	F	R	F	Q	E	E	I	K	E	N	T	K	N	D	600
1801	AAA	CAA	ATG	GTC	CAA	TAT	ATT	TAC	AAA	TAC	ACA	AGT	TAT	CCT	GAC	1845
601	K	Q	M	V	Q	Y	I	Y	K	Y	T	S	Y	P	D	615
1846	CCT	ATA	TTG	TTG	ATG	AAA	AGT	GCT	AGA	AAT	AGT	TGT	TGG	TCT	AAA	1890
616	P	I	L	L	M	K	S	A	R	N	S	C	W	S	K	630
1891	GAT	GCA	GAA	TAT	GGA	CTC	TAT	TCC	ATC	TAT	CAA	GGG	GGA	ATA	TTT	1935
631	D	A	E	Y	G	L	Y	S	I	Y	Q	G	G	I	F	645
1936	GAG	CTT	AAG	GAA	AAT	GAC	AGA	ATT	TTT	GTT	TCT	GTA	ACA	AAT	GAG	1980
646	E	L	K	E	N	D	R	I	F	V	S	V	T	N	E	660
1981	CAC	TTG	ATA	GAC	ATG	GAC	CAT	GAA	GCC	AGT	TTT	TTC	GGG	GCC	TTT	2025
661	H	L	I	D	M	D	H	E	A	S	F	F	G	A	F	675
2026	TTA	GTT	GGC	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	2070
676	L	V	G	G	G	G	S	G	G	G	S	G	G	G	S	690
2071	GGT	GGC	GGA	TCC	ACC	TCT	GAG	GAA	ACC	ATT	TCT	ACA	GTT	CAA	GAA	2115
691	G	G	G	S	T	S	E	E	T	I	S	T	V	Q	E	705
2116	AAG	CAA	CAA	AAT	ATT	TCT	CCC	CTA	GTG	AGA	GAA	AGA	GGT	CCT	CAG	2160
706	K	Q	Q	N	I	S	P	L	V	R	E	R	G	P	Q	720
2161	AGA	GTA	GCA	GCT	CAC	ATA	ACT	GGG	ACC	AGA	GGA	AGA	AGC	AAC	ACA	2205
721	R	V	A	A	H	I	T	G	T	R	G	R	S	N	T	735
2206	TTG	TCT	TCT	CCA	AAC	TCC	AAG	AAT	GAA	AAG	GCT	CTG	GGC	CGC	AAA	2250
736	L	S	S	P	N	S	K	N	E	K	A	L	G	R	K	750
2251	ATA	AAC	TCC	TGG	GAA	TCA	TCA	AGG	AGT	GGG	CAT	TCA	TTC	CTG	AGC	2295
751	I	N	S	W	E	S	S	R	S	G	H	S	F	L	S	765
2296	AAC	TTG	CAC	TTG	AGG	AAT	GGT	GAA	CTG	GTC	ATC	CAT	GAA	AAA	GGG	2340
766	N	L	H	L	R	N	G	E	L	V	I	H	E	K	G	780
2341	TTT	TAC	TAC	ATC	TAT	TCC	CAA	ACA	TAC	TTT	CGA	TTT	CAG	GAG	GAA	2385
781	F	Y	Y	I	Y	S	Q	T	Y	F	R	F	Q	E	E	795
2386	ATA	AAA	GAA	AAC	ACA	AAG	AAC	GAC	AAA	CAA	ATG	GTC	CAA	TAT	ATT	2430
796	I	K	E	N	T	K	N	D	K	Q	M	V	Q	Y	I	810

Figure 25C

Replacement Sheet

2431	TAC	AAA	TAC	ACA	AGT	TAT	CCT	GAC	CCT	ATA	TTG	TTG	ATG	AAA	AGT	2475
811	Y	K	Y	T	S	Y	P	D	P	I	L	L	M	K	S	825
2476	GCT	AGA	AAT	AGT	TGT	TGG	TCT	AAA	GAT	GCA	GAA	TAT	GGA	CTC	TAT	2520
826	A	R	N	S	C	W	S	K	D	A	E	Y	G	L	Y	840
2521	TCC	ATC	TAT	CAA	GGG	GGA	ATA	TTT	GAG	CTT	AAG	GAA	AAT	GAC	AGA	2565
841	S	I	Y	Q	G	G	I	F	E	L	K	E	N	D	R	855
2566	ATT	TTT	GTT	TCT	GTA	ACA	AAT	GAG	CAC	TTG	ATA	GAC	ATG	GAC	CAT	2610
856	I	F	V	S	V	T	N	E	H	L	I	D	M	D	H	870
2611	GAA	GCC	AGT	TTT	TTC	GGG	GCC	TTT	TTA	GTT	GGC	TGA				2646
871	E	A	S	F	F	G	A	F	L	V	G	*				881

Figure 25D

Replacement Sheet

Nucleic acid sequence and corresponding amino acid sequence of scTNF-AMAIZe Construct H

1	ATG	GAC	TGG	ACC	TGG	CGC	GTG	TTT	TGC	CTG	CTC	GCC	GTG	GCT	CCT	45
1	M	D	W	T	W	R	V	F	C	L	L	A	V	A	P	15
46	GGG	GCC	CAC	AGC	CAG	GTA	CAG	CTG	GTG	CAG	TCT	GGG	GGA	GGC	ATG	90
16	G	A	H	S	Q	V	Q	L	V	Q	S	G	G	G	M	30
91	GTA	GAG	CCT	GGG	GGG	TCC	CTT	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	135
31	V	E	P	G	G	S	L	R	L	S	C	A	A	S	G	45
136	TTC	ACT	TTC	AGT	AAT	GCC	TGG	ATG	AGC	TGG	GTC	CGC	CAG	GCT	CCA	180
46	F	T	F	S	N	A	W	M	S	W	V	R	Q	A	P	60
181	GGG	AAG	GGG	CTG	GAG	TGG	GTT	GGC	CGT	ATA	AAA	AGC	AAA	GCT	GGT	225
61	G	K	G	L	E	W	V	G	R	I	K	S	K	A	G	75
226	GGT	GGG	ACA	GCA	GAG	TAC	GCT	GCA	CCC	GTG	AAA	GGC	AGA	TTC	ACC	270
76	G	G	T	A	E	Y	A	A	P	V	K	G	R	F	T	90
271	ATC	TCA	AGA	GAT	GAT	TCA	CAA	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	315
91	I	S	R	D	D	S	Q	N	T	L	Y	L	Q	M	N	105
316	AGC	CTG	AAA	ACC	GAC	GAC	ACA	GCC	GTG	TAT	TAC	TGT	ACC	ACA	CAT	360
106	S	L	K	T	D	D	T	A	V	Y	Y	C	T	T	H	120
361	GTC	TAC	GGT	GCC	CCC	CGG	AAC	TGG	GGC	CAG	GGA	TCC	CTG	GTC	ACC	405
121	V	Y	G	A	P	R	N	W	G	Q	G	S	L	V	T	135
406	GTC	TCC	TCA	GCC	TCC	ACC	AAG	GGC	CCA	AAG	CTT	GAA	GAA	GGT	GAA	450
136	V	S	S	A	S	T	K	G	P	K	L	E	E	G	E	150
451	TTT	TCA	GAA	GCA	CGC	GTA	CAG	TCT	GTG	TTG	ACT	CAG	CCG	CCC	TCA	495
151	F	S	E	A	R	V	Q	S	V	L	T	Q	P	P	S	165
496	GTG	TCT	GCG	GCC	CCA	GGA	CAG	AAG	GTC	ACC	ATC	TCC	TGC	TCT	GGA	540
166	V	S	A	A	P	G	Q	K	V	T	I	S	C	S	G	180
541	AGC	AGC	TCC	AAC	ATT	GGA	AAT	AAT	TAT	GTC	TCC	TGG	TAC	GTT	CAA	585
181	S	S	S	N	I	G	N	N	Y	V	S	W	Y	V	Q	195
586	CTC	CCA	GGA	ACA	GCC	CCC	AAA	CTC	CTC	ATT	TAT	GAC	AAT	AAT	AAG	630
196	L	P	G	T	A	P	K	L	L	I	Y	D	N	N	K	210
631	CGA	TTC	TCA	GGA	GTT	CCT	GAC	CGA	TTC	TCT	GGC	TCC	AAG	TCT	GGC	675
211	R	F	S	G	V	P	D	R	F	S	G	S	K	S	G	225
676	ACG	TCA	GCC	ACC	CTG	GGC	ATC	ACC	GGG	CTC	CAG	ACT	GGG	GAC	GAG	720
226	T	S	A	T	L	G	I	T	G	L	Q	T	G	D	E	240
721	GCC	GAT	TAT	TAC	TGC	GGA	GCA	TGG	GAT	GGC	AGC	CTG	CGT	GAA	GCG	765
241	A	D	Y	Y	C	G	A	W	D	G	S	L	R	E	A	255

Figure 26A

Replacement Sheet

766	GTA	TTC	GGC	GGA	GGG	ACC	AAG	GTC	ACC	GTC	CTA	GGT	GCG	GCC	GCA	810
256	V	F	G	G	G	T	K	V	T	V	L	G	A	A	A	270
811	GTT	GAG	CTC	GAG	GCG	GCC	GCG	GAT	TAC	AAA	GAC	GAT	GAC	GAT	AAA	855
271	V	E	L	E	A	A	A	D	Y	K	D	D	D	D	K	285
856	GAA	TTC	GGA	TCA	TCT	TCT	CGA	ACC	CCG	AGT	GAC	AAG	CCT	GTA	GCC	900
286	E	F	G	S	S	S	R	T	P	S	D	K	P	V	A	300
901	CAT	GTT	GTA	GCA	AAC	CCT	CAA	GCT	GAG	GGG	CAG	CTC	CAG	TGG	CTG	945
301	H	V	V	A	N	P	Q	A	E	G	Q	L	Q	W	L	315
946	AAC	CGC	CGG	GCC	AAT	GCC	CTC	CTG	GCC	AAT	GGC	GTG	GAG	CTG	AGA	990
316	N	R	R	A	N	A	L	L	A	N	G	V	E	L	R	330
991	GAT	AAC	CAG	CTG	GTG	GTG	CCA	TCA	GAG	GGC	CTG	TAC	CTC	ATC	TAC	1035
331	D	N	Q	L	V	V	P	S	E	G	L	Y	L	I	Y	345
1036	TCC	CAG	GTC	CTC	TTC	AAG	GGC	CAA	GGC	TGC	CCC	TCC	ACC	CAT	GTG	1080
346	S	Q	V	L	F	K	G	Q	G	C	P	S	T	H	V	360
1081	CTC	CTC	ACC	CAC	ACC	ATC	AGC	CGC	ATC	GCC	GTC	TCC	TAC	CAG	ACC	1125
361	L	L	T	H	T	I	S	R	I	A	V	S	Y	Q	T	375
1126	AAG	GTC	AAC	CTC	CTC	TCT	GCC	ATC	AAG	AGC	CCC	TGC	CAG	AGG	GAG	1170
376	K	V	N	L	L	S	A	I	K	S	P	C	Q	R	E	390
1171	ACC	CCA	GAG	GGG	GCT	GAG	GCC	AAG	CCC	TGG	TAT	GAG	CCC	ATC	TAT	1215
391	T	P	E	G	A	E	A	K	P	W	Y	E	P	I	Y	405
1216	CTG	GGA	GGG	GTC	TTC	CAG	CTG	GAG	AAG	GGT	GAC	CGA	CTC	AGC	GCT	1260
406	L	G	G	V	F	Q	L	E	K	G	D	R	L	S	A	420
1261	GAG	ATC	AAT	CGG	CCC	GAC	TAT	CTC	GAC	TTT	GCC	GAG	TCT	GGG	CAG	1305
421	E	I	N	R	P	D	Y	L	D	F	A	E	S	G	Q	435
1306	GTC	TAC	TTT	GGG	ATC	ATT	GCC	CTG	GGT	GGC	GGT	TCT	GGT	GGC	GGT	1350
436	V	Y	F	G	I	I	A	L	G	G	G	S	G	G	G	450
1351	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGA	TCA	TCA	TCT	TCT	CGA	ACC	CCG	1395
451	S	G	G	G	S	G	G	G	S	S	S	S	R	T	P	465
1396	AGT	GAC	AAG	CCT	GTA	GCC	CAT	GTT	GTA	GCA	AAC	CCT	CAA	GCT	GAG	1440
466	S	D	K	P	V	A	H	V	V	A	N	P	Q	A	E	480
1441	GGG	CAG	CTC	CAG	TGG	CTG	AAC	CGC	CGG	GCC	AAT	GCC	CTC	CTG	GCC	1485
481	G	Q	L	Q	W	L	N	R	R	A	N	A	L	L	A	495
1486	AAT	GGC	GTG	GAG	CTG	AGA	GAT	AAC	CAG	CTG	GTG	GTG	CCA	TCA	GAG	1530
496	N	G	V	E	L	R	D	N	Q	L	V	V	P	S	E	510
1531	GGC	CTG	TAC	CTC	ATC	TAC	TCC	CAG	GTC	CTC	TTC	AAG	GGC	CAA	GGC	1575
511	G	L	Y	L	I	Y	S	Q	V	L	F	K	G	Q	G	525
1576	TGC	CCC	TCC	ACC	CAT	GTG	CTC	CTC	ACC	CAC	ACC	ATC	AGC	CGC	ATC	1620
526	C	P	S	T	H	V	L	L	T	H	T	I	S	R	I	540

Figure 26B

Replacement Sheet

1621	GCC	GTC	TCC	TAC	CAG	ACC	AAG	GTC	AAC	CTC	CTC	TCT	GCC	ATC	AAG	1665
541	A	V	S	Y	Q	T	K	V	N	L	L	S	A	I	K	555
1666	AGC	CCC	TGC	CAG	AGG	GAG	ACC	CCA	GAG	GGG	GCT	GAG	GCC	AAG	CCC	1710
556	S	P	C	Q	R	E	T	P	E	G	A	E	A	K	P	570
1711	TGG	TAT	GAG	CCC	ATC	TAT	CTG	GGA	GGG	GTC	TTC	CAG	CTG	GAG	AAG	1755
571	W	Y	E	P	I	Y	L	G	G	V	F	Q	L	E	K	585
1756	GGT	GAC	CGA	CTC	AGC	GCT	GAG	ATC	AAT	CGG	CCC	GAC	TAT	CTC	GAC	1800
586	G	D	R	L	S	A	E	I	N	R	P	D	Y	L	D	600
1801	TTT	GCC	GAG	TCT	GGG	CAG	GTC	TAC	TTT	GGG	ATC	ATT	GCC	CTG	GGT	1845
601	F	A	E	S	G	Q	V	Y	F	G	I	I	A	L	G	615
1846	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGT	TCT	GGT	GGC	GGA	TCA	1890
616	G	G	S	G	G	G	S	G	G	G	S	G	G	G	S	630
1891	TCA	TCT	TCT	CGA	ACC	CCG	AGT	GAC	AAG	CCT	GTA	GCC	CAT	GTT	GTA	1935
631	S	S	S	R	T	P	S	D	K	P	V	A	H	V	V	645
1936	GCA	AAC	CCT	CAA	GCT	GAG	GGG	CAG	CTC	CAG	TGG	CTG	AAC	CGC	CGG	1980
646	A	N	P	Q	A	E	G	Q	L	Q	W	L	N	R	R	660
1981	GCC	AAT	GCC	CTC	CTG	GCC	AAT	GGC	GTG	GAG	CTG	AGA	GAT	AAC	CAG	2025
661	A	N	A	L	L	A	N	G	V	E	L	R	D	N	Q	675
2026	CTG	GTG	GTG	CCA	TCA	GAG	GGC	CTG	TAC	CTC	ATC	TAC	TCC	CAG	GTC	2070
676	L	V	V	P	S	E	G	L	Y	L	I	Y	S	Q	V	690
2071	CTC	TTC	AAG	GGC	CAA	GGC	TGC	CCC	TCC	ACC	CAT	GTG	CTC	CTC	ACC	2115
691	L	F	K	G	Q	G	C	P	S	T	H	V	L	L	T	705
2116	CAC	ACC	ATC	AGC	CGC	ATC	GCC	GTC	TCC	TAC	CAG	ACC	AAG	GTC	AAC	2160
706	H	T	I	S	R	I	A	V	S	Y	Q	T	K	V	N	720
2161	CTC	CTC	TCT	GCC	ATC	AAG	AGC	CCC	TGC	CAG	AGG	GAG	ACC	CCA	GAG	2205
721	L	L	S	A	I	K	S	P	C	Q	R	E	T	P	E	735
2206	GGG	GCT	GAG	GCC	AAG	CCC	TGG	TAT	GAG	CCC	ATC	TAT	CTG	GGA	GGG	2250
736	G	A	E	A	K	P	W	Y	E	P	I	Y	L	G	G	750
2251	GTC	TTC	CAG	CTG	GAG	AAG	GGT	GAC	CGA	CTC	AGC	GCT	GAG	ATC	AAT	2295
751	V	F	Q	L	E	K	G	D	R	L	S	A	E	I	N	765
2296	CGG	CCC	GAC	TAT	CTC	GAC	TTT	GCC	GAG	TCT	GGG	CAG	GTC	TAC	TTT	2340
766	R	P	D	Y	L	D	F	A	E	S	G	Q	V	Y	F	780
2341	GGG	ATC	ATT	GCC	CTG	TGA										2358
781	G	I	I	A	L	*										785

Figure 26C